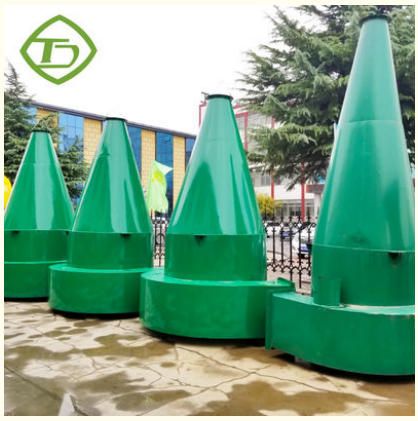
Removal Cyclone Dust Collector Automatic Organic Fertilizer Equipment

Our Product Introduction

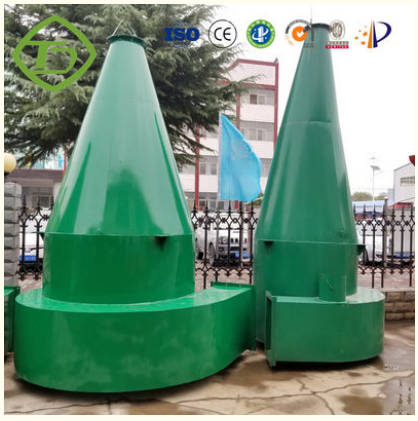
Basic Information

- Place of Origin: China
- Brand Name: TONGDA
- Certification: CE,ISO
- Model Number: XP-300
- Minimum Order Quantity: 1
- Packaging Details: According to customer requirements
- Delivery Time: 5-10 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100 units per month



Product Specification

- Product Name: Cyclone Dust Collector
- Scope Of Application: Organic Fertilizer Production Line
- Filter Efficiency: 99.97%
- Usage: Filter Industry Dust
- Material: Carbon Steel
- Advantages: High Filtration Efficiency
- Highlight: **Removal Cyclone Dust Collector**, **Automatic Organic Fertilizer Equipment**, **Fertilizer Cyclone Dust Collector**



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Our Product Introduction

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Product Description

Customized Cyclone Dust Collector Removal Automatic Eco-friendly Cyclone

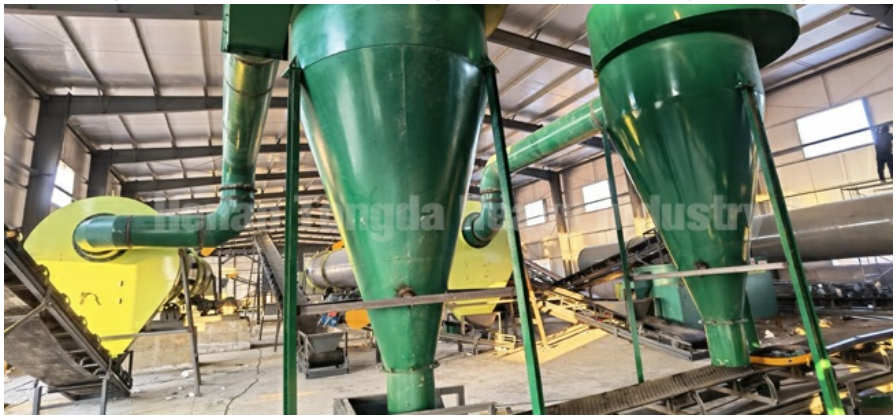
The cyclone separator is also dust collector, which separates dust by the inertial centrifugal force of the rotating airflow. This movement makes the centrifugal force generated by the dust many times larger than gravity, so the dust collection efficiency is much higher than that of the settling chamber. When separating dust particles above 20-30 microns, the purification efficiency can reach 98%. In addition, its structure is simple, compact, easy to manufacture, low cost, small footprint, convenient management and maintenance, so it is widely used in factories.

The cyclone dust collector is composed of an inner tube, an outer tube, a cone and an air inlet. The dust-laden air enters between the inner and outer cylinders along the tangential direction through the air inlet on the upper part of the outer cylinder, and spirally moves from top to bottom to the bottom of the cone. The dust in the airflow is thrown to the cylinder wall under the action of centrifugal force, and falls to the bottom of the cone due to gravity and the downward airflow, and then is discharged from the ash discharge port. After the downward airflow reaches the bottom of the cone, it turns upward along the axis of the dust collector, forming a rotating and rising internal vortex, and is discharged from the air outlet of the dust collector.

Model	Air Volume (m^3/h)	Equipment Resistance (Pa)	Inlet Flow Speed (m/s)	Overall Size (Block Diameter*Height)	Weight (kg)
XP-200	370-590	800-2160	14-22	Φ200*940	37
XP-300	840-1320	800-2160	14-22	Φ300*1360	54
XP-400	1500-2340	800-2160	14-22	Φ400*1780	85
XP-500	2340-3660	800-2160	14-22	Φ500*2200	132
XP-600	3370-5290	800-2160	14-22	Φ600*2620	183
XP-700	4600-7200	800-2160	14-22	Φ700*3030	252
XP-800	5950-9350	800-2160	14-22	Φ800*3450	325
XP-900	7650-11890	800-2160	14-22	Φ900*3870	400
XP-1000	9340-14630	800-2160	14-22	Φ1000*4280	500

Working Principle:

The cyclone is composed of an intake pipe, an exhaust pipe, a cylinder, a cone and a ash bucket. Cyclone dust collectors are simple in construction, easy to manufacture, install and maintain, and have low equipment investment and operating costs. They have been widely used to separate solid and liquid particles from gas streams or to separate solid particles from liquids. Under normal operating conditions, the centrifugal force acting on the particles is 5 to 2500 times that of gravity, so the efficiency of the cyclone is significantly higher than that of the gravity sedimentation chamber. Based on this principle, a cyclone dust removal device with a dust removal efficiency of more than 90% was successfully developed. In mechanical dust collectors, cyclone dust collectors are the most efficient. It is suitable for the removal of non-viscous and non-fibrous dust, mostly used to remove particles above 5μm. The parallel multi-tube cyclone device also has a dust removal efficiency of 80-85% for 3μm particles. Cyclone dust collectors constructed of special metal or ceramic materials resistant to high temperature, abrasion and corrosion can be operated at temperatures up to 1000° C and pressures up to 500 *105 Pa. From the aspects of technology and economy, the control range of cyclone dust collector pressure loss is generally 500-2000Pa. Therefore, it is a medium-efficiency dust collector and can be used for purifying high-temperature flue gas. It is a widely used dust collector and is widely used in boiler flue gas dust removal, multi-stage dust removal and pre-dust removal. Its main disadvantage is the low removal efficiency of fine dust particles (<5μm).



FAQ:

1. Are you trading company or manufacturer ?

We are a manufacturer with a history over 40 years and have realized one-stop service for design, manufacture, installation, debugging and technical training.

2. How long is the delivery time?

For standard machines or Components, it would be 5-10 days; For non-standard machines and customized machines according to clients specific requirements, it would be appointment time.

3. Do you arrange shipment for the machines?

Yes, we will do that. For FOB or CIF price, we will arrange shipment for you. For EXW price, we will assist you in arranging shipment.

4. How about your product after-sales service?

Normally we provide video and written technical support. If necessary, our engineers can also provide on-site service. Our product accessories can be selected according to the actual needs of the customer to choose the most appropriate way to deliver.

5. What kinds of certificate you have?

ISO 9001: 2015 SGS and we can make other certificates according to customers' detailed requirements.

6. How to guarantee the quality and operation before loading?

We have our own quality control department and have advance quality control stystem while from raw materials to finished products. All the machines and production lines shall be 100% checked and tested before delivery.

TONGDA HEAVY **Henan Tongda Heavy Industry Science And Technology Co., Ltd.**

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